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09/620,495	07/20/2000	Michael Kenneth Brown	19-26	3563

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EXAMINER

OSMAN, RAMY M

ART UNIT

PAPER NUMBER

2157

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Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/620,495

Applicant(s)

BROWN ET AL.

Examiner

Ramy M Osman

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-8, 12, 15 and 18-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_ is/are rejected.
- 7) ☒ Claim(s) 9-11, 13, 14, 16 and 17 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Specification*

#### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1,2,4,5,8,12,15,18,19 and 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Grandcolas et al. (U.S. Patent No. 6,332,131).

Grandcolas teaches the invention as claimed including an apparatus, a method and a system for interpolating information to be communicated over a network via a server (see Grandcolas, Abstract).

3. In reference to claims 1,18,19 and 20, Grandcolas teaches an apparatus, a method, and a corresponding program comprising of a server within a network which processes a client request to determine client type, to retrieve web content, to retrieve augmentation file(s) associated with web content or client type, and to alter web content in accordance with augmentation file(s), wherein altered content is then delivered to client device. (columns 3 & 4, Grandcolas discloses a financial institution and its software applications (Figure 1, #14) on a server(s) within a communications network (Figure 1, #12) which can process a request from a customer device to identify device type, to retrieve application stream content, to retrieve a token associated with application stream content or customer device type, and to alter the application stream content

via a token-creator-mapper (Figure 2, #26), wherein altered content is then delivered to the customer device (Figure 2, #20) along the connecting line (Figure 2, #30).

4. In reference to claim 2, Grandcolas teaches the apparatus of claim 1 wherein the client device comprises at least one of a computer, a personal digital assistant, a wireless telephone and a voice browser-equipped device (Figure 1, #10, and column 3, lines 14-22, Grandcolas discloses a plurality of customer devices comprising a computer, a personal digital assistant, a telephone, and a videophone).

5. In reference to claim 4, Grandcolas teaches the apparatus of claim 1 wherein the augmentation file(s) is/are co-located with the web content at a site remote from the server (column 3, lines 30-63, Grandcolas discloses that a token can be co-located with application stream content, a.k.a. "canonical token application stream").

6. In reference to claim 5, Grandcolas teaches the apparatus of claim 1 wherein an augmentation file comprising a patch file (column 4, lines 4-20, Grandcolas discloses a token comprising a patch file used for translation of content).

7. In reference to claim 8, Grandcolas teaches the apparatus of claim 1 wherein the server parsing the web content into component structures and applying pattern matching to recognize designated component structure subject to alteration in accordance with augmentation file(s) (column 3, lines 48-55 and column 4, lines 8-20, Grandcolas discloses an application located on a server parsing the application stream content and applying a mapping process that will transform one set of components into another set in accordance with the token).

8. In reference to claim 12, Grandcolas teaches the apparatus of claim 1 wherein the received client request is associated with a plurality of different client devices and the retrieved

augmentation file(s) comprise one or more files for each of the different client devices (column 3, lines 14-48, Grandcolas discloses the means for a plurality of customer devices to communicate with a financial institution and its software to identify device type and where tokens will be retrieved for each of the different customer device types).

9. In reference to claim 15, Grandcolas teaches the apparatus of claim 1 wherein the augmentation files are externally retrievable from another web server external to the at least one server. (column 3, lines 48-55, Grandcolas discloses a parser (Figure 2, #21) which can be located on another financial institution server and can externally add a token to a Legacy application stream if it is determined that no token exists)

***Claim Rejections - 35 USC § 103***

10. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

11. Claims 3,6 and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Grandcolas et al. (U.S. Patent No. 6,332,131) in view of Curtis et al. (IEEE International Conference 7695-0253-9/99).

12. In reference to claim 3, Grandcolas teaches the apparatus of claim 1 above. Grandcolas fails to teach that the content is at least partially in either an HTML or XML format. However, Curtis teaches a content management apparatus which transmits web pages written in either HTML or XML (pages 303-304).

It would have been obvious to one having ordinary skill in the art to modify Grandcolas by making the application stream content at least partially in HTML as per the teachings of Curtis so that it can be of universal use for World Wide Web users.

13. In reference to claim 6, Grandcolas teaches the apparatus of claim1 above. Grandcolas fails to teach that the server comprises a web proxy server configured between a device associated with the client and another server which provides the content identified in the client request. However, Curtis teaches a content management apparatus which transmits content via a proxy server that is configured between a client and a server hosting web content (Figure 1, and pages 302-304).

It would have been obvious to one having ordinary skill in the art to modify Grandcolas by including a proxy server configured between a client and a web server as per the teachings of Curtis so as to ease the burden of requests on the web server and also to speed up the delivery of content to the client.

14. In reference to claim 7, Grandcolas teaches the apparatus of claim1 above. Grandcolas fails to teach that the server determines the client type using at least one of an HTTP header element, a client-identifying cookie, and an HTTP GET request QUERY\_STRING attribute. However, Curtis teaches a content management apparatus which profiles the user environment where the server determines the client machine using an HTTP GET request (Figure 1, page 303).

It would have been obvious to one having ordinary skill in the art to modify Grandcolas by including a client GET request which allow the server to identify the client type so to enable personalization of the content when it is altered and sent back to the client.

***Allowable Subject Matter***

15. Claims 9-11,13,14,16 and 17 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The claims are thus allowable because the references or a combination of the references do not teach the following claim limitations:

- Parsing web content into components by utilizing a pattern matching process comprising of context, pattern, precedence and replacement elements.
- Context element contains instructions of the form pattern:replacement
- Precedence element specifies an order of application of the instructions associated with context element
- Client device comprises virtual device having a combination of a plurality of features provided by multiple distinct physical devices
- Client request appears to originate from virtual client device having a combination of a plurality of different features provided by multiple distinct physical devices
- Augmentation files comprise a default augmentation file
- Server has access to a set of default augmentation files, and the server is operative to attempt to retrieve a given default augmentation file for use in altering web content if the client request is determined to have no externally retrievable augmentation file

***Conclusion***

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16. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- US Patent No. 6,332,131

- US Patent No. 6,157,924

- US Patent No. 6,247,048

- US Patent No. 6,442,529

- US Patent No. 5,727,159

- US Patent No. 5,918,013

- Curtis K., Draper O., Multimedia Content Management-Provision of Validation and Personalization Services, 7/1999, IEEE International Conference: Multimedia Computing and Systems, volume 2 pages 302-306

- Mohan R., Smith J.R., Content Adaptation Framework, IEEE: Global Telecommunications Network, 1999, volume 4 pages 2015-2021

- Bharadvaj H., Joshi A., An Active Transcoding Proxy to Support Mobile Web Access, IEEE Symposium: Reliable Distributed Systems, 10/1998, pages 118-123

- Mohan R., Smith J.R., Adapting Multimedia Internet Content For Universal Access, IEEE Transactions on Multimedia, 3/1999, volume 1 issue 1 pages 104-114

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ramy M Osman whose telephone number is (703) 350-8050.

The examiner can normally be reached on Monday through Friday 9AM to 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on (703) 305-7562. The fax phone numbers for the




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organization where this application or proceeding is assigned are (703) 308-9052 for regular communications and (703) 746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-9600.

RMO

July 23, 2003



**SALEH NAJIAR**  
**PRIMARY EXAMINER**